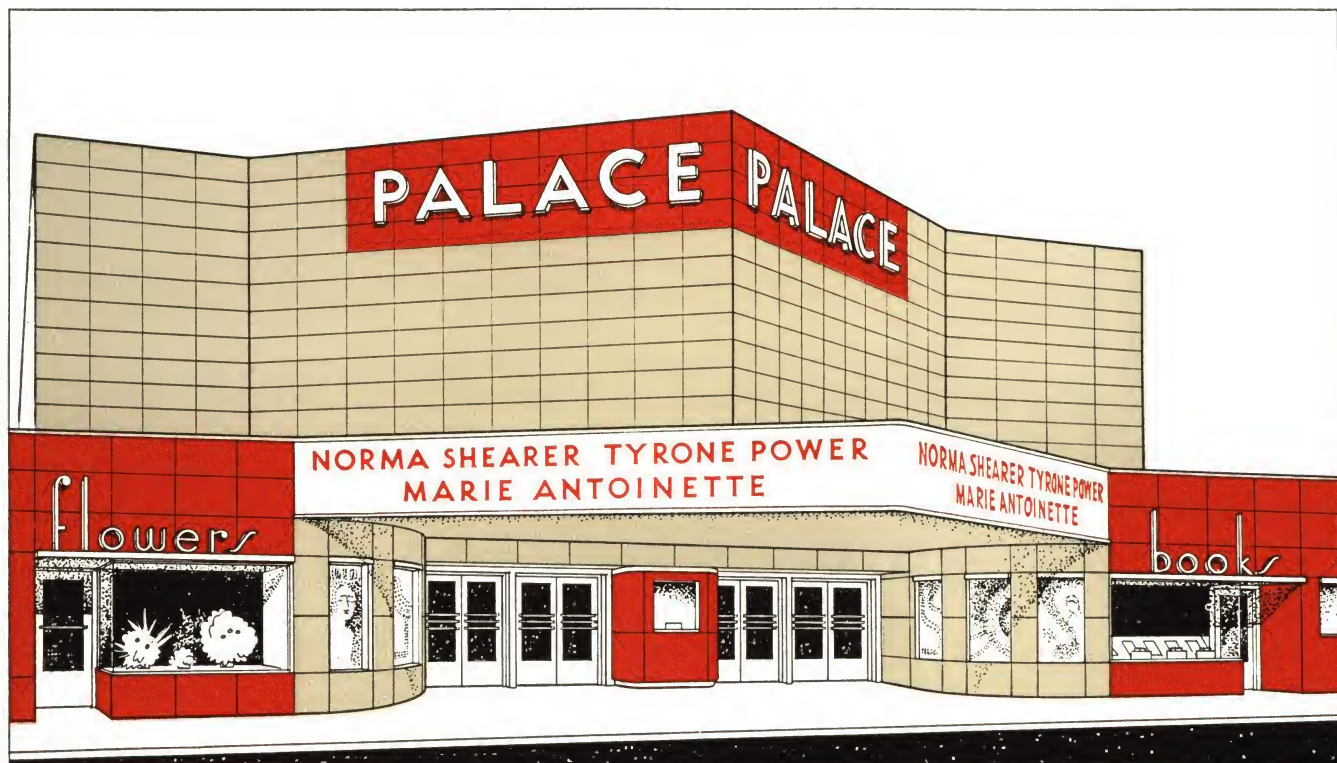


**DATA ON
RUSTLESS METAL
STORE FRONTS
BY**

ZOURI

- COMPLETE ROLLED AND EXTRUDED STORE FRONT CONSTRUCTION
- ARCHITECTURAL PORCELAIN ENAMEL FACING PANELS
- DOORS AND ENTRANCES, SIGN LETTERS, SPECIAL METAL WORK



ZOURI FACING PANELS OF DURABLE PORCELAIN ENAMEL

Zouri Facing Panels are furnished for exterior use in connection with all types of store fronts, or for interior use as a finishing material.

Panels are fabricated of heavy 16-gauge extra flat enameling steel, with $\frac{3}{4}$ " flanges on all sides which afford strength and keylock the calking. Corners are welded, and flat panels are strengthened and insulated after enameling with $\frac{1}{2}$ in. insulation board, securely attached with water and heat-proof cement.

ENAMELING. Porcelain (vitreous) enamel is applied on both sides under tremendous heat (1550 degrees F.) which fuses porcelain and steel—with 3 coats on face in desired color. Final coat is acid-resisting, with appealing Zouri Satin Finish (semi-matt), although gloss finish may be specified. The best grades of frits and oxides are used—as are the most advanced methods of firing and fabrication. Porcelain Enamel is inorganic, and non-porous—entirely mineral as contrasted with baked enamel or paint finishes which are organic and changeable. Colors are non-fading and changeless.

STANDARD SHAPES AND COLORS. 10 standard shapes are shown on p. 3 and are made in sizes 16x16", 16x24", 20x20", and 20x28". Maximum size, 2x3'. 25 standard satin finish colors plus black and white (in gloss) take care of all ordinary needs.

SPECIAL WORK. There are very few design limitations in architectural porcelain enamel. Enameling steel can be formed to almost any desired curve or shape for facing, curved set-backs, pilasters, grilles, bulkheads, sign letters, etc. Practically any color or shade can be matched, and designs, stripes, letters, or pictures reproduced.

ATTRACTIVE APPEARANCE. The effect of Zouri Porcelain Enamel Facing is distinctly modern and up-to-date, with a wide range

of appealing color combinations in pastel shades as well as the stronger colors. Narrow $\frac{1}{8}$ " joints are neat and unobtrusive.

LOW MAINTENANCE COST. Zouri Panels are easily cleaned, being completely non-porous and glass-like.

PERMANENCE. Zouri colors are non-fading and changeless. Panel surfaces are tough and durable, not easily damaged by fire or temperature extremes—will not chip, crack, break, scratch, flake or wear off under ordinary use.

INDIVIDUAL SUSPENSION, by concealed and resilient bronze spring clips, means localization of load, and ease of replacement of any panel without disturbing other panels. Panels may also be removed and salvaged in case of change of location.

SAFETY. Zouri Panels are comparatively light in weight and are held securely in place by mechanical means so that they may be applied to any height, without chance of weight building up from tier to tier. Not attached by mastic. Not affected by heat, frost or moisture.

ERECTION. Zouri Panels are installed on $\frac{3}{4}$ x2" steel furring strips or on wood furring by means of resilient bronze spring clips at top and bottom of each panel. Furring strips are fastened to wood with wood screws, or to masonry with expansion plugs—spaced to accommodate the panels, and located plumb and level.

Zouri Architectural Porcelain Enamel is accepted as a superior facing material for general use—and offers the designer and merchant many definite advantages.

WRITE FOR COLOR CARD, F. S. DETAILS, AND COMPLETE ILLUSTRATED BOOKLET

ZOURI STORE FRONTS

MAIN PLANT—NILES, MICHIGAN

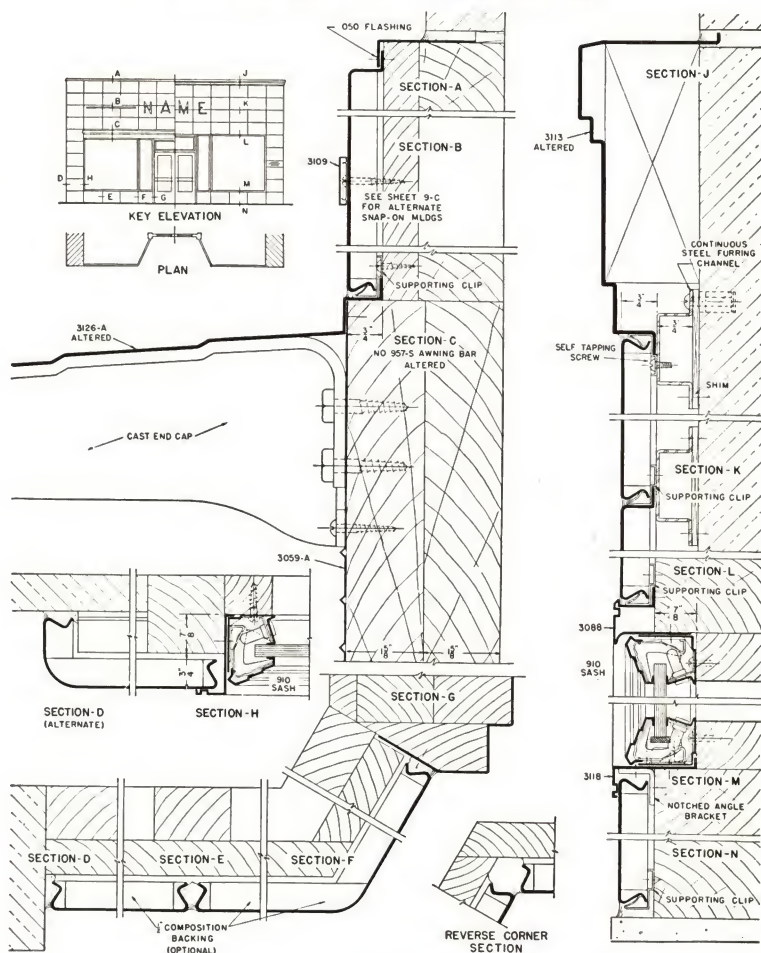
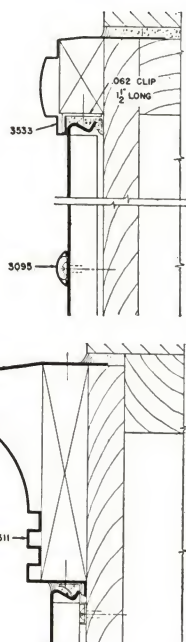
DISTRIBUTORS IN PRINCIPAL CITIES

INSTALLATION DETAILS—Quarter Size

Technical drawings of window components:

- HEAD JAMB 3092**: A cross-section drawing showing a supporting clip with dimensions 15" and 16".
- SILL 3119**: A cross-section drawing showing a sill with dimensions 15" and 16".
- SASH**: A cross-section drawing showing a sash with dimensions 15" and 16".

Quarter
Size



PATENTED AND PATENTS PENDING

TYPE R-1

TYPE R-2

TYPE R-3

TYPE R-4

TYPE R-5

TYPE R-6

TYPE R-7

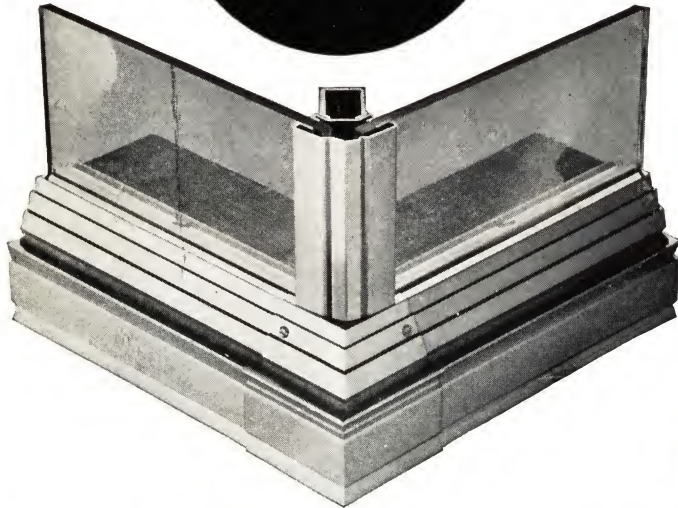
TYPE R-8

TYPE R-9

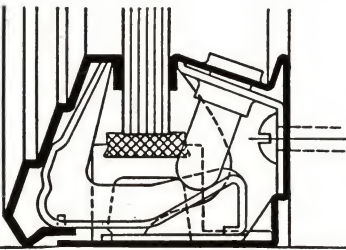
ALUMINUM
WITH THE
ALUMILITE
FINISH.



BRONZE.
STAINLESS
STEEL.



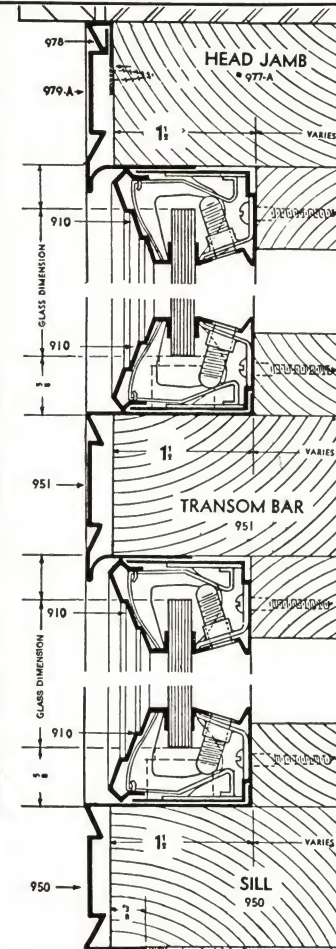
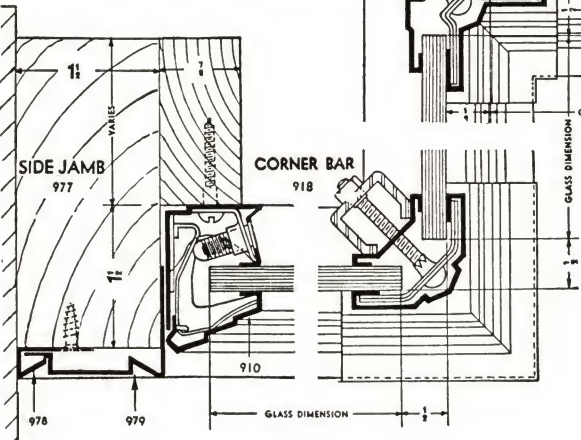
● Complete ZOURI cold-rolled store front construction is well known for its modern, attractive design, for its sharp lines and truly flat surfaces. Metals and finishes include aluminum with the Alumilite Finish, polished, satin or statuary bronze and stainless steel with satin or polished finish.



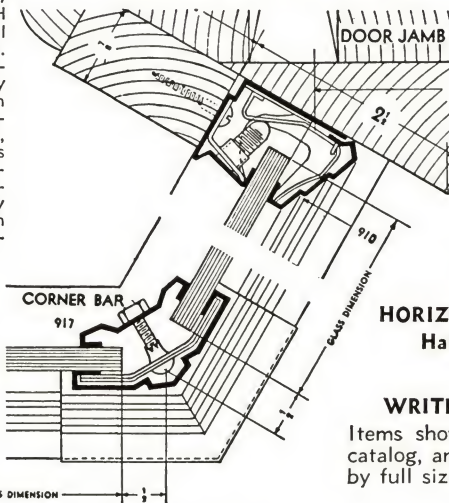
ROLLED SASH No. 910—Full Size

The famous ZOURI SAFETY KEY-SET SASH (No. 910) provides full cushion grip on glass. Face, gutter and mechanisms are sufficiently flexible to assure an absolutely safe and dependable glass setting, holding the plate glass in a secure, yet yielding grip—without rattling, without rigidity or binding. Ventilation and drainage are provided for if desired.

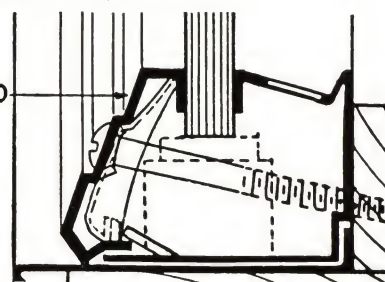
PATENTED AND PATENTS PENDING



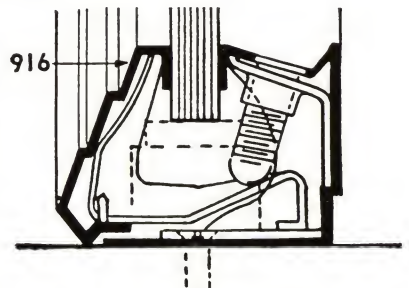
VERTICAL SECTION—Half Size



HORIZONTAL SECTION
Half Size Details

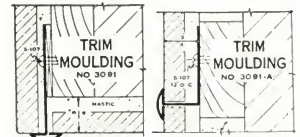


No. 970 SCREW PRESSURE SASH



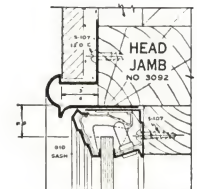
No. 916 SELF-SUPPORTING SASH

TRIM MOULDINGS
Quarter Size Details

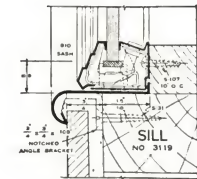


No. 3091

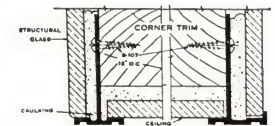
No. 3091A



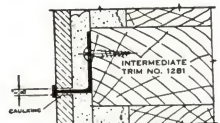
HEAD JAMB No. 3092



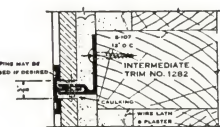
SILL No. 3119



CORNER TRIMS—1283, 1283-X



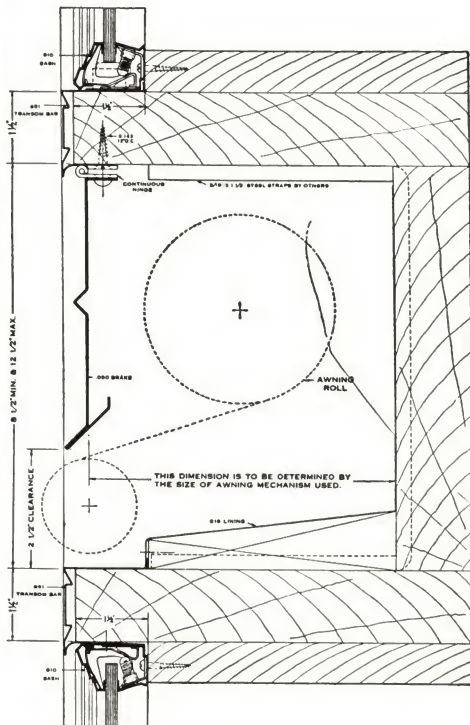
TRIM No. 1281



TRIM No. 1282

WRITE FOR F. S. DETAILS AND DATA

Items shown in quarter and half size in this catalog, and other items not shown are covered by full size details mailed on request.

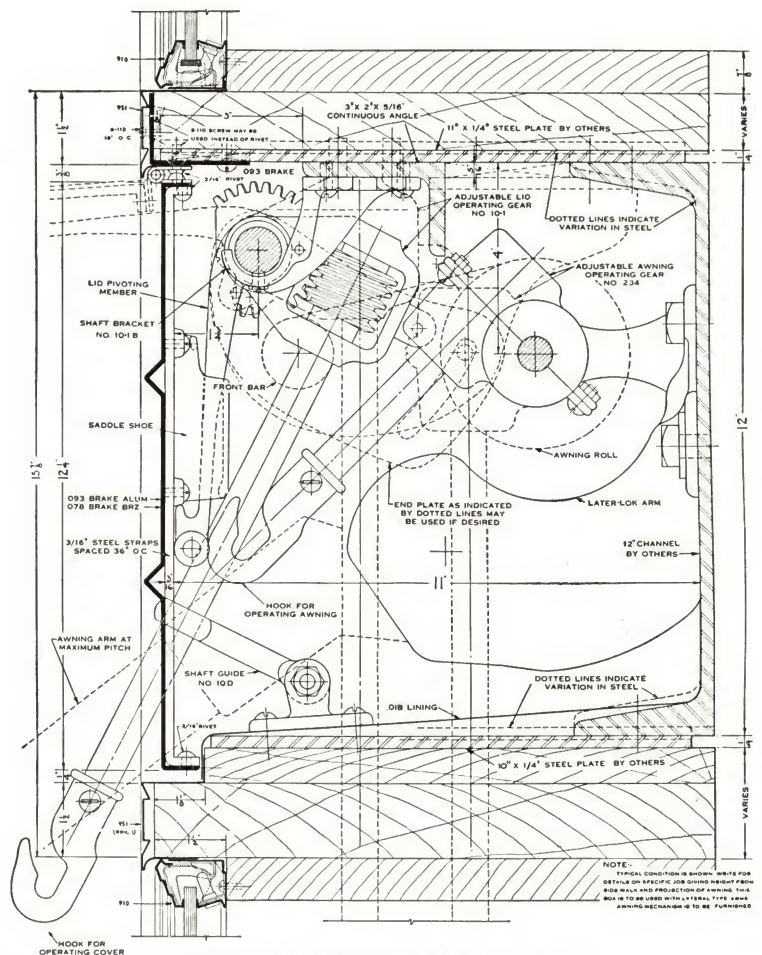


Quarter Size Details

PATENTED AND PATENTS PENDING

RECESSED AWNING BAR No. 958

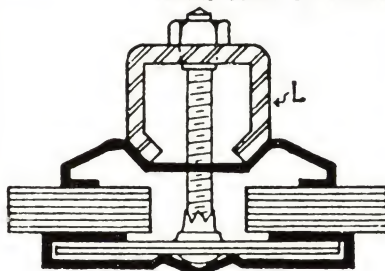
This modern awning bar hides awning roll in a recessed box. Furnished with hinged or stationary cover. For use with outrigger arms only.



CONCEALED AWNING BAR No. 92-H

Protects awning roll when not in use, and completely conceals it from view. Also furnished with pivoted cover. For use with lateral arms only. Awning mechanism by others.

BARS AND STIFFENERS



DIVISION BAR No. 938
Shown with Light Stiffener

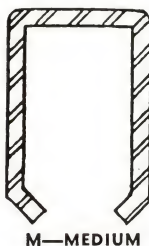
Stock angles for rolled bars are 90°, 100°, 105°, 110°, 115°, 120°, 135°, 150°, 160°, 180°. However, these bars may be obtained at any angle desired.

TABLE OF BARS

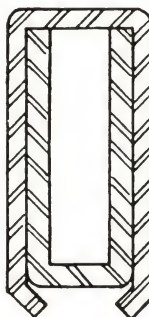
IN ORDER TO FACILITATE THE SELECTION OF PROPER BARS WE SUBMIT A TABLE WHICH WE BELIEVE WILL BE OF GREAT ASSISTANCE IN ORDERING. WE ARE ALSO SUBMITTING A FORMULA AS AN EXPLANATION OF THIS TABLE

STIFFENER	A	B	C
LIGHT	60 In	100 Sq Ft	55 Sq Ft
MEDIUM	78 In	130 Sq Ft	70 Sq Ft
HEAVY	96 In	140 Sq Ft	72 Sq Ft
HEAVY-X	108 In	144 Sq Ft	80 Sq Ft

FORMULA—WE RECOMMEND ALL OF OUR BARS AS LISTED WHERE THE GLASS HEIGHT DOES NOT EXCEED THAT GIVEN IN COLUMN (A) AND THE COMBINED AREA OF THE 2 PLATES IS LESS THAN THE SQUARE FOOTAGE LISTED IN COLUMN (B). THE AREA OF 1 PLATE MUST NOT EXCEED THAT LISTED IN COLUMN (C).

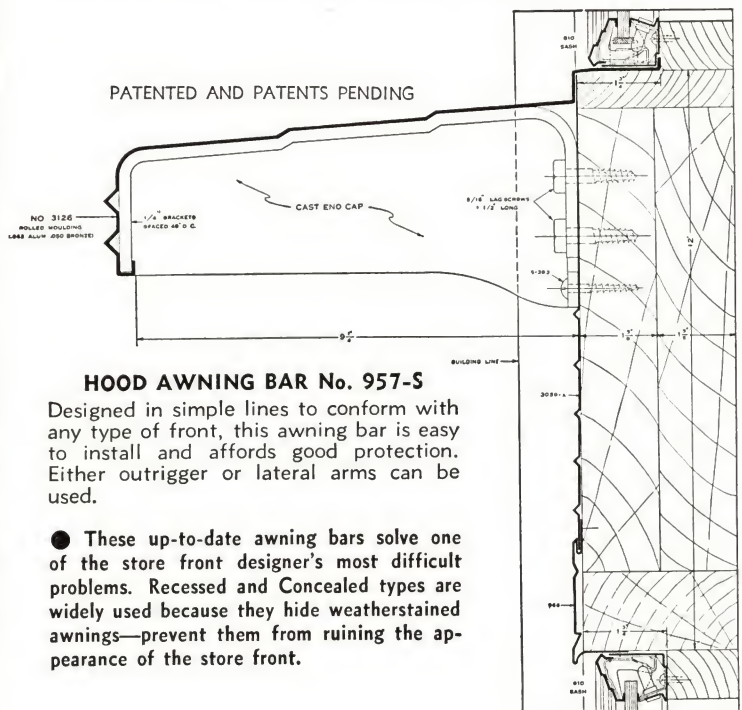


M—MEDIUM



HX—HEAVY
with reinforcement X which is included only when specified.

PATENTED AND PATENTS PENDING



HOOD AWNING BAR No. 957-S

Designed in simple lines to conform with any type of front, this awning bar is easy to install and affords good protection. Either outrigger or lateral arms can be used.

● These up-to-date awning bars solve one of the store front designer's most difficult problems. Recessed and Concealed types are widely used because they hide weatherstained awnings—prevent them from ruining the appearance of the store front.

ALUMINUM
WITH THE
ALUMILITE
FINISH

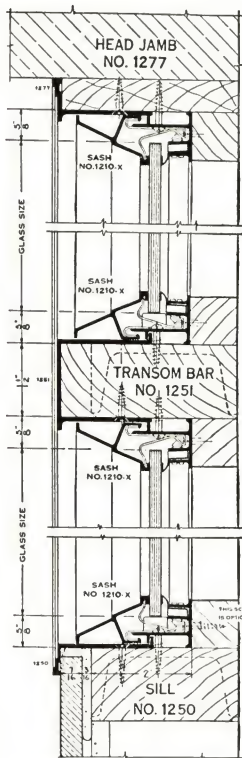
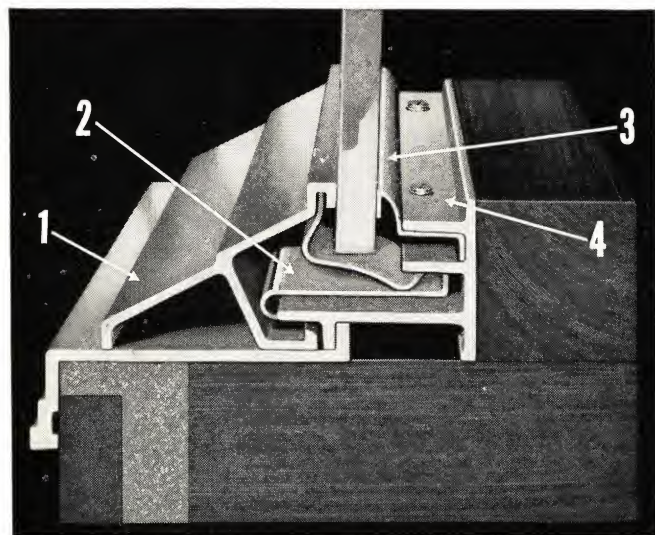
**ZOURI
EXTRUDED
CONSTR.**

SATIN
FINISH
BRONZE

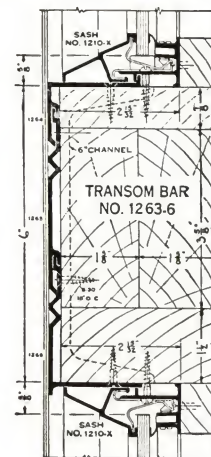


This complete ZOURI line of Extruded Store Front construction is unusually smart and modern. Lines are straight and true. Sash can be installed as a self-supporting unit, or used with wood backing. It can be mitered perfectly, but caps are supplied. Drainage and ventilation holes are made in sash when specified.

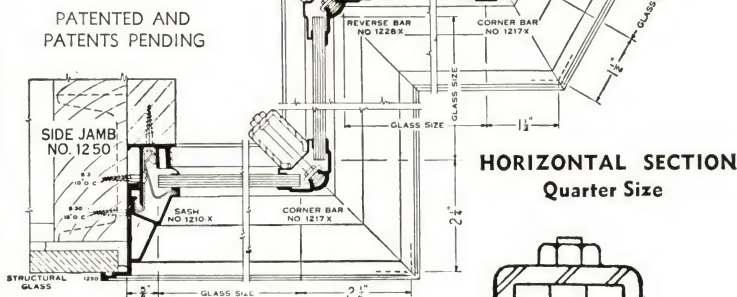
GLASS PROTECTION. Like the famous ZOURI Safety Key-Set Rolled Sash, Extruded Sash and Bars provide a full cushion grip on plate glass. This grip is firm and secure, is spread out along face of glass—equally effective on glass varying from $\frac{3}{16}$ " to $\frac{5}{8}$ ". Yet it absorbs shocks and strains and provides an absolutely safe and dependable setting. No looseness, rattling, or rigidity. Illustration shows: 1. Attractive face moulding which distributes pressure along face of glass. Removable only from inside. 2. Flexible Spring Mechanism, and 3. Continuous Spring at back which provide cushion grip. 4. Wide, strong gutter.



VERTICAL SECTION
Quarter Size



**TRANSOM
BAR 1263-6**
Quarter Size



HORIZONTAL SECTION
Quarter Size

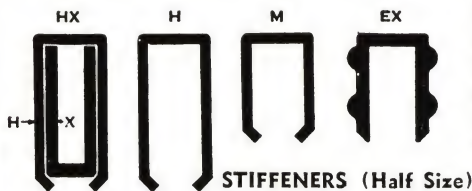
DIVISION BAR 1239-X
Full Size

TABLE OF BARS

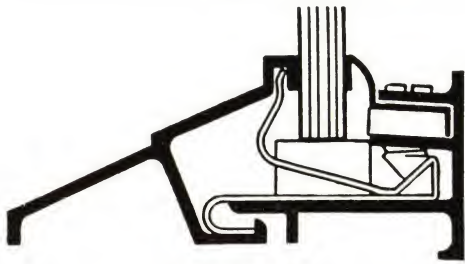
IN ORDER TO FACILITATE THE SELECTION OF PROPER BARS, WE SUBMIT A TABLE WHICH WE BELIEVE WILL BE OF GREAT ASSISTANCE IN ORDERING. WE ARE ALSO SUBMITTING A FORMULA AS AN EXPLANATION OF THIS TABLE.

BAR	STEEL			ALUMINUM AND BRONZE		
	A	B	C	A	B	C
LIGHT	60	100	55	M	60	100
MEDIUM	78	130	70	H	72	130
HEAVY	96	140	72	EX	78	135
HEAVY-X	108	144	80	HX	84	140

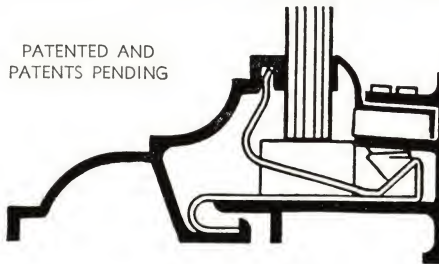
FORMULA WE RECOMMEND ALL OF OUR BARS AS LISTED. WHERE THE GLASS HEIGHT DOES NOT EXCEED THAT GIVEN IN COLUMN (A) AND THE COMBINED AREA OF THE 2 PLATES IS LESS THAN THE SQUARE FOOTAGE LISTED IN COLUMN (B), THE AREA OF 1 PLATE MUST NOT EXCEED THAT LISTED IN COLUMN (C).



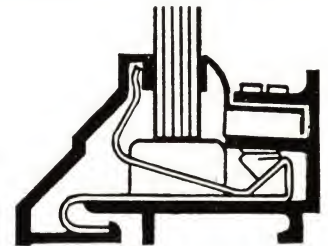
Zouri Extruded Bars are furnished from stock at 90°, 110°, 120°, 135°, and 160° angles—both Corner and Reverse—or to order at any angle.



SASH 1210-X
USE SILLS 1250-Z, 1250, 1250-X



SASH 1210-Z
USE SILLS 1250-Z, 1250, 1250-X



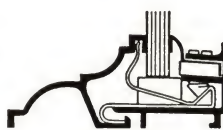
SASH 1210-Y
USE SILLS 1250-Z, 1250, 1250-X



SASH 1210-AX
USE SILL 1252-X



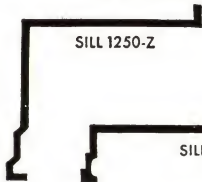
SASH 1210-BX



SASH 1210-AZ
USE SILL 1252-X



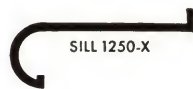
SASH 1210-BZ



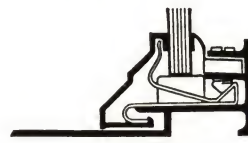
SILL 1250-Z



SILL 1250

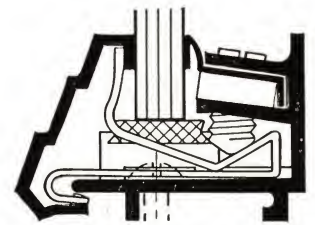


SILL 1250-X



SASH 1210-BY

SASH AND
SILLS SHOWN
HALF SIZE

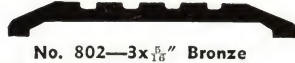


SASH 1210-8
USE SILLS 1250-Z, 1250, 1250-X
Full Size Details

THRESHOLDS (Half Size)



No. 801—2 1/4 x 1/4" Bronze



No. 802—3 x 5/16" Bronze



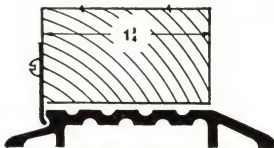
No. 803—4 x 5/16" Bronze



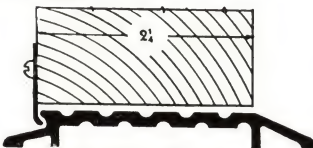
No. 804—5 x 7/16" Bronze



No. 805—6 x 1/2" Bronze



No. 806—1 3/4 x 3/8" Bronze



No. 807—2 1/4 x 3/8" Bronze

Both No. 806 and No. 807 Furnished with Weathering Guide



No. 808—4 x 5/16" Aluminum only



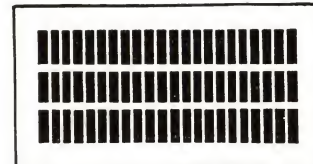
No. 809—5 x 7/16" Aluminum only



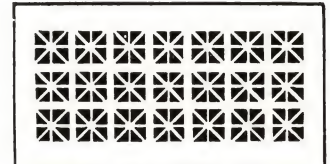
No. 810—4 5/8 x 5/8" Aluminum only

GRILLES

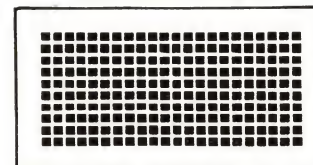
Stamped and cast grilles furnished in bronze, aluminum, or stainless steel. Stamped grilles are made in .050 and .109 gauge metal (.050 only in stainless steel).



No. 370—Rectangular. Stock sizes
11x5", 18x9", 24x10".



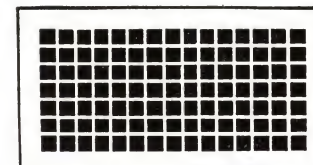
No. 374—Union Jack.



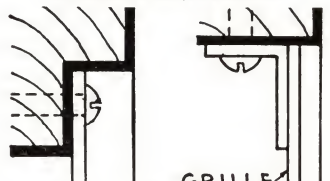
No. 371—Small Square.



Special Design—Cut or Cast to Architect's Requirements.



No. 372—Large Square.



GRILLE Installation

SNAP-ON MOULDINGS (Half Size)

In either aluminum, bronze or stainless steel with galvanized steel core.



No. 3105



No. 3105-A



No. 3130



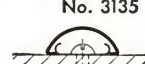
No. 3110



No. 3097



No. 3135



No. 3095



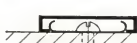
No. 3103



No. 3101



No. 3099



No. 3109



No. 3108



No. 3107



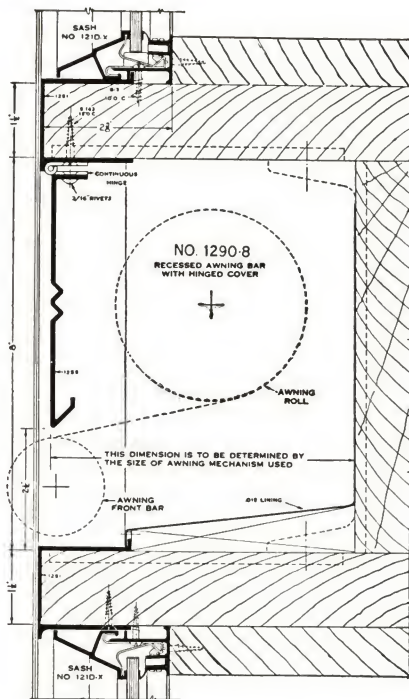
No. 3132



No. 3093



No. 3133

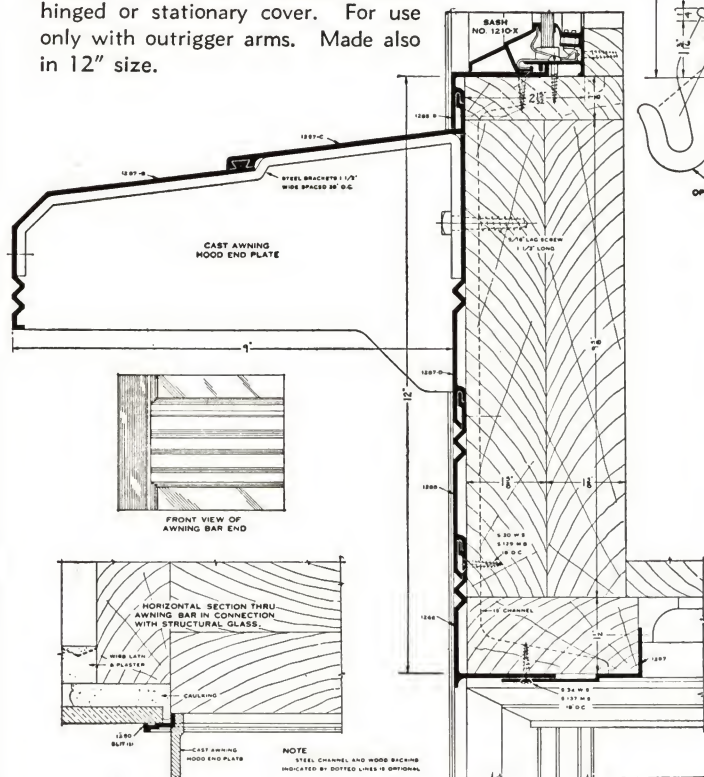


Quarter Size
Details

PATENTED AND
PATENTS PENDING

RECESSED AWNING BAR 1290-8

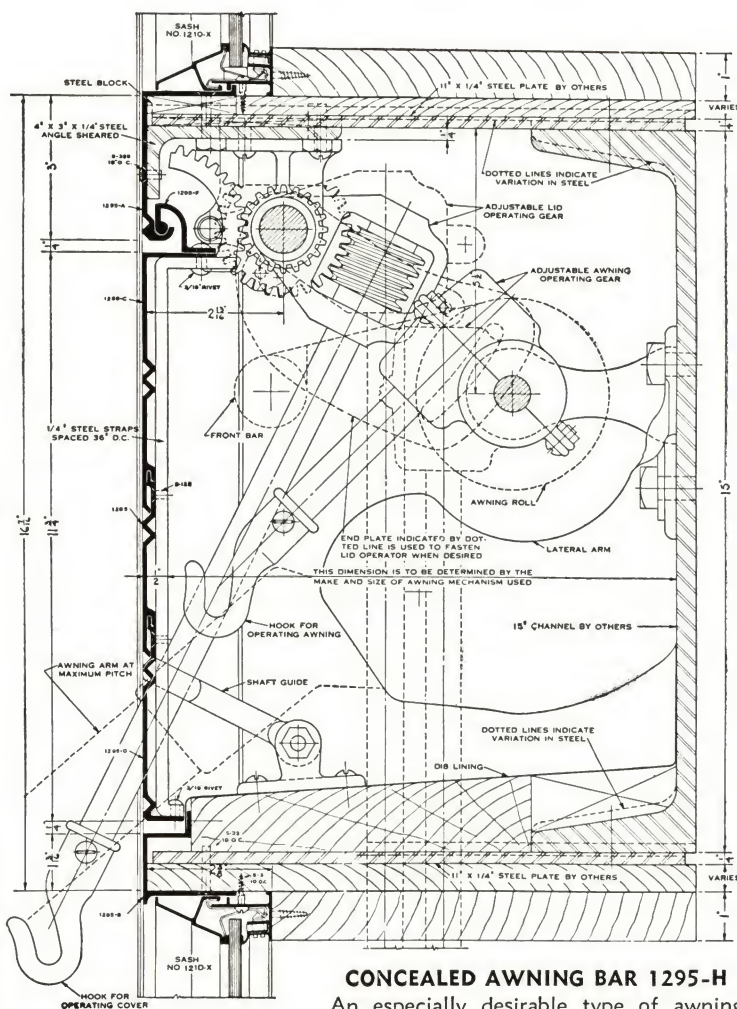
Hides awning roll in recessed box, back of building line. Available with hinged or stationary cover. For use only with outrigger arms. Made also in 12\"/>



HOOD AWNING BAR 1257

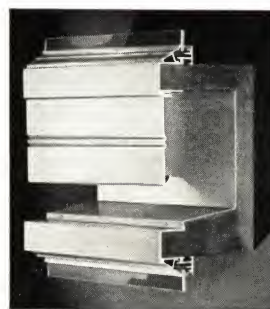
This is a very distinctive hood type awning bar, and has proved very effective in use. For either lateral or outrigger arms.

Details of DOOR JAMB MOULDINGS will be sent on request.

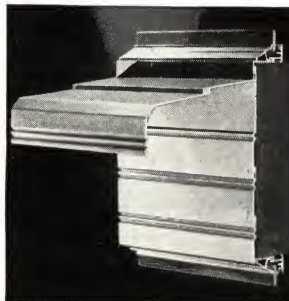


CONCEALED AWNING BAR 1295-H

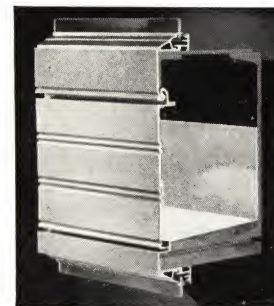
An especially desirable type of awning bar which improves the appearance of the front tremendously, especially when awning is not in use. Completely conceals roll. For use with lateral arms only. Pivoted cover also available.



No. 1290-8

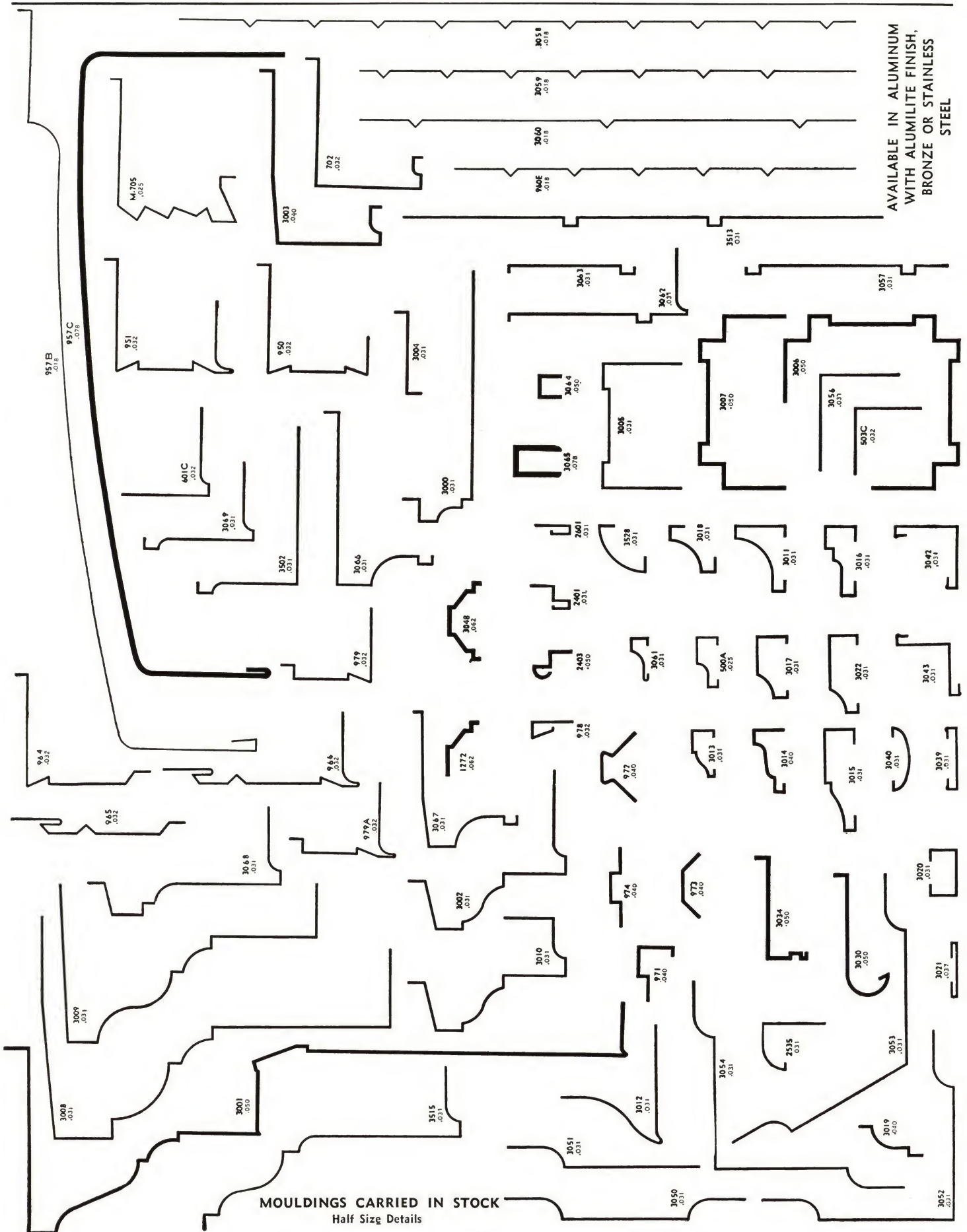


No. 1257

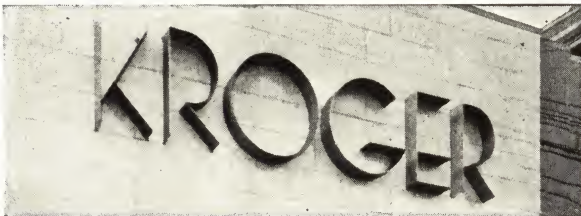


No. 1295-H

The three types of awning bars detailed on this page are very attractive and practical for any type of front. They become valuable decorative features and, in addition to contributing interesting highlights and shadow lines, they completely or partially hide unsightly awning rolls when not in use.



SPECIAL METAL WORK



ZOURI sign letters are recommended for architectural beauty and visibility. Fabricated to special details.



ZOURI craftsmen have had wide and varied experience in fabricating all types of special metal work. Such work includes metal sign letters, entrance doors, (also available in standard types) cast ornaments, bulkheads, pilasters, metal paneling, and special mouldings, shapes, and decorations. Write for complete new illustrated booklet on ZOURI DOORS AND ENTRANCES.



ZOURI Metal Entrance Doors and pilasters create an inviting entrance for this restaurant.

- ADDITIONAL INFORMATION
AVAILABLE ON:**
- SASH, BARS, AWNING BARS,
 - TRANSOM BARS, TRIM MOULDINGS,
 - GRILLES, THRESHOLDS,
 - DOOR JAMBS,
 - HINGED AND PIVOTED
 - VENTILATORS,
 - POSTER FRAMES,
 - SHOWCASE DOORS,
 - PORCELAIN ENAMEL PANELS,
 - RUSTLESS METAL DOORS
 - REED MOULDINGS,
 - CAST ORNAMENTS.



ZOURI entrance door, special sign, and muntins.

WRITE ZOURI STORE FRONTS, NILES, MICHIGAN, FOR FURTHER DATA

**DATA ON
RUSTLESS METAL
STORE FRONTS
BY**

ZOURI

- COMPLETE ROLLED AND EXTRUDED STORE FRONT CONSTRUCTION
- ARCHITECTURAL PORCELAIN ENAMEL FACING PANELS
- DOORS AND ENTRANCES, SIGN LETTERS, SPECIAL METAL WORK